```
EEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD     TTTTTTTTTTTTTTTT
EEE               DDD      DDD        TTT
EEE               DDD      DDD        TTT
EEE               DDD      DDD        TTT
EEE               DDD      DDD        TTT
EEE               DDD      DDD        TTT
EEEEEEEEEEE       DDD      DDD        TTT
EEEEEEEEEEE       DDD      DDD        TTT
EEEEEEEEEEE       DDD      DDD        TTT
EEE               DDD      DDD        TTT
EEE               DDD      DDD        TTT
EEE               DDD      DDD        TTT
EEE               DDD      DDD        TTT
EEE               DDD      DDD        TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
```

```
  CCCCCCC   HH      HH   MM         MM   NN       NN   EEEEEEEEEE   WW         WW   LL               EEEEEEEEEE   NN       NN
  CCCCCCC   HH      HH   MM         MM   NN       NN   EEEEEEEEEE   WW         WW   LL               EEEEEEEEEE   NN       NN
CC          HH      HH   MMMM     MMMM   NN       NN   EE           WW         WW   LL               EE           NN       NN
CC          HH      HH   MMMM     MMMM   NN       NN   EE           WW         WW   LL               EE           NNNN     NN
CC          HH      HH   MM   M   MM   NNNN       NN   EE           WW         WW   LL               EE           NNNN     NN
CC          HHHHHHHHHH   MM  MM   MM   NNNN       NN   EEEEEEE      WW         WW   LL               EEEEEEE      NN NN    NN
CC          HHHHHHHHHH   MM       MM   NN NN      NN   EEEEEEE      WW         WW   LL               EEEEEEE      NN NN    NN
CC          HH      HH   MM       MM   NN   NNNN  NN   EE           WW   WW    WW   LL               EE           NN   NNNN
CC          HH      HH   MM       MM   NN    NNNN      EE           WWWW  WWWW      LL               EE           NN     NNNN
CC          HH      HH   MM       MM   NN       NN   EE             WWWW  WWWW      LL               EE           NN       NN
  CCCCCCC   HH      HH   MM       MM   NN       NN   EEEEEEEEEE     WW         WW   LLLLLLLLLL       EEEEEEEEEE   NN       NN
  CCCCCCC   HH      HH   MM       MM   NN       NN   EEEEEEEEEE     WW         WW   LLLLLLLLLL       EEEEEEEEEE   NN       NN


LL              IIIIII      SSSSSSSS
LL              IIIIII      SSSSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II          SSSSSS
LL                II          SSSSSS
LL                II                SS
LL                II                SS
LL                II                SS
LL                II                SS
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS
```

```
0001  0 %TITLE 'EDT$CHMNEWLEN - update the length of the current line'
0002  0 MODULE EDT$CHMNEWLEN (                              ! Update the length of the current line
0003  0                 IDENT = 'V04-000'                   ! File: CHMNEWLEN.BLI Edit: JBS1004
0004  0                 ) =
0005  1 BEGIN
0006  1
0007  1 !***************************************************************************
0008  1 !*                                                                        *
0009  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                               *
0010  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                *
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0025  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.               *
0026  1 !*                                                                        *
0027  1 !*                                                                        *
0028  1 !***************************************************************************
0029  1 !
0030  1
0031  1 !++
0032  1 ! FACILITY:     EDT -- The DEC Standard Editor
0033  1 !
0034  1 ! ABSTRACT:
0035  1 !
0036  1 !      This module updates the length of the current line.
0037  1 !
0038  1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
0039  1 !
0040  1 ! AUTHOR: Bob Kushlis, CREATION DATE: Unknown
0041  1 !
0042  1 ! MODIFIED BY:
0043  1 !
0044  1 ! 1-001 - Original.  DJS 04-Feb-1981.  This module was created by
0045  1 !         extracting the routine EDT$$UPD_LNLEN  from module CHANGE.BLI.
0046  1 ! 1-002 - Regularize headers.  JBS 03-Mar-1981
0047  1 ! 1-003 - New screen update logic.  JBS 13-Sep-1982
0048  1 ! 1-004 - Improve the appearance of the listing.  JBS 13-Jun-1983
0049  1 !--
0050  1
```

```
 52    0051  1  %SBTTL 'Declarations'
 53    0052  1  !
 54    0053  1  ! TABLE OF CONTENTS:
 55    0054  1  !
 56    0055  1
 57    0056  1  REQUIRE 'EDTSRC:TRAROUNAM';
 58    0495  1
 59    0496  1  FORWARD ROUTINE
 60    0497  1     EDT$$UPD_LNLEN : NOVALUE;                    ! Update the length of the current line
 61    0498  1
 62    0499  1  !
 63    0500  1  ! INCLUDE FILES:
 64    0501  1  !
 65    0502  1
 66    0503  1  REQUIRE 'EDTSRC:EDTREQ';
 67    0638  1
 68    0639  1  !
 69    0640  1  ! MACROS:
 70    0641  1  !
 71    0642  1  !     NONE
 72    0643  1  !
 73    0644  1  ! EQUATED SYMBOLS:
 74    0645  1  !
 75    0646  1  !     NONE
 76    0647  1  !
 77    0648  1  ! OWN STORAGE:
 78    0649  1  !
 79    0650  1  !     NONE
 80    0651  1  !
 81    0652  1  ! EXTERNAL REFERENCES:
 82    0653  1  !
 83    0654  1  !     In the routine
```

```
                                                B 4
EDT$CHMNEWLEN    EDT$CHMNEWLEN - update the length of the curren 16-Sep-1984 00:05:03   VAX-11 Bliss-32 V4.0-742      Page  3
V04-000          EDT$$UPD_LNLEN - update the length of the curr 14-Sep-1984 12:22:39   [EDT.SRC]CHMNEWLEN.BLI;1               (3)
```

```
   85    0655  1  %SBTTL 'EDT$$UPD_LNLEN  - update the length of the current line'
   86    0656  1
   87    0657  1  GLOBAL ROUTINE EDT$$UPD_LNLEN (                              ! Update the length of the current line
   88    0658  1      L                                                       ! Change in length (+ or -)
   89    0659  1      ) : NOVALUE =
   90    0660  1
   91    0661  1  !++
   92    0662  1  ! FUNCTIONAL DESCRIPTION:
   93    0663  1  !
   94    0664  1  !        This routine is called when the current line changes in length.  It updates
   95    0665  1  !        the EDT$$A_LN_END  and EDT$$G_LN_LEN  variables and insures that the
   96    0666  1  !        last character of the line is a carriage return.
   97    0667  1  !
   98    0668  1  ! FORMAL PARAMETERS:
   99    0669  1  !
  100    0670  1  !  L                        the change in the length of the line.
  101    0671  1  !
  102    0672  1  ! IMPLICIT INPUTS:
  103    0673  1  !
  104    0674  1  !        EDT$$G_LN_LEN
  105    0675  1  !        EDT$$T_LN_BUF
  106    0676  1  !        EDT$$A_LN_END
  107    0677  1  !
  108    0678  1  ! IMPLICIT OUTPUTS:
  109    0679  1  !
  110    0680  1  !        EDT$$G_LN_LEN
  111    0681  1  !        EDT$$A_LN_END
  112    0682  1  !
  113    0683  1  ! ROUTINE VALUE:
  114    0684  1  !
  115    0685  1  !      NONE
  116    0686  1  !
  117    0687  1  ! SIDE EFFECTS:
  118    0688  1  !
  119    0689  1  !      NONE
  120    0690  1  !
  121    0691  1  !--
  122    0692  1
  123    0693  2     BEGIN
  124    0694  2
  125    0695  2     EXTERNAL
  126    0696  2         EDT$$T_LN_BUF,                                 ! Current line buffer
  127    0697  2         EDT$$A_LN_END,                                 ! End of current line pointer
  128    0698  2         EDT$$G_LN_LEN;                                 ! Length of current line
  129    0699  2
  130    0700  2     EDT$$G_LN_LEN = .EDT$$G_LN_LEN + .L;
  131    0701  2     EDT$$A_LN_END = CH$PTR (EDT$$T_LN_BUF, .EDT$$G_LN_LEN);
  132    0702  2     CH$WCHAR (ASC_K_CR, .EDT$$A_LN_END);
  133    0703  1     END;                                              ! of routine EDT$$UPD_LNLEN


                                            .TITLE  EDT$CHMNEWLEN EDT$CHMNEWLEN - update the length
                                                                 of the curren
                                            .IDENT  \V04-000\

                                            .EXTRN  EDT$$T_LN_BUF, EDT$$A_LN_END
                                            .EXTRN  EDT$$G_LN_LEN
```

C 4

EDT$CHMNEWLEN   EDT$CHMNEWLEN - update the length of the curren 16-Sep-1984 00:05:03   VAX-11 Bliss-32 V4.0-742   Page 4
V04-000   EDT$$UPD_LNLEN - update the length of the curr 14-Sep-1984 12:22:39   [EDT.SRC]CHMNEWLEN.BLI;1   (3)

```
                                                                    .PSECT  _EDT$CODE,NOWRT,  SHR,  PIC,2

                                                   000C 00000        .ENTRY  EDT$$UPD_LNLEN, Save R2,R3          ; 0657
                                   53 00000000G  00  9E 00002        MOVAB   EDT$$G_LN_LEN, R3
                                   52 00000000G  00  9E 00009        MOVAB   EDT$$A_LN_END, R2
                                   63        04  AC  C0 00010        ADDL2   L, EDT$$G_LN_LEN                    ; 0700
                                   50 00000000G  00  9E 00014        MOVAB   EDT$$T_LN_BUF, R0                   ; 0701
                  62               50        63  C1 0001B            ADDL3   EDT$$G_LN_LEN, R0, EDT$$A_LN_END
                                   50        62  D0 0001F            MOVL    EDT$$A_LN_END, R0                   ; 0702
                                   60        0D  90 00022            MOVB    #13, (R0)
                                            04 00025                 RET                                        ; 0703
```

; Routine Size: 38 bytes,   Routine Base: _EDT$CODE + 0000

; 134   0704 1
; 135   0705 1 !<BLF/PAGE>

D 4

EDT$CHMNEWLEN   EDT$CHMNEWLEN - update the length of the curren 16-Sep-1984 00:05:03   VAX-11 Bliss-32 V4.0-742   Page 5
V04-000   EDT$$UPD_LNLEN - update the length of the curr 14-Sep-1984 12:22:39   [EDT.SRC]CHMNEWLEN.BLI;1   (4)

```
; 137      0706  1 END                                    ! of module EDT$CHMNEWLEN
; 138      0707  1
; 139      0708  0 ELUDOM
```

PSECT SUMMARY

Name	Bytes	Attributes
_EDT$CODE	38	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_255DUA28:[EDT.SRC]EDT.L32;1	377	1	0	40	00:00.2
_255DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

```
    BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:CHMNEWLEN/OBJ=OBJ$:CHMNEWLEN MSRC$:CHMNEWLEN.BLI/UPDATE=(ENH$:C
    HMNEWLEN)

 Size:         38 code + 0 data bytes
 Run Time:          00:09.0
 Elapsed Time:      00:11.7
 Lines/CPU Min:     4741
 Lexemes/CPU-Min: 12756
 Memory Used:  52 pages
 Compilation Complete
```

CHMMRKCHG
LIS

CHMPARSEN
LIS

CHMSELPOS
LIS

CHMSPLLIN
LIS

DATA
LIS

CHMPAREN
LIS

CHMUNDEL
LIS

COMMAND
LIS

CHMONSTR
LIS

CHMSAVPOS
LIS

CHMSCHSTR
LIS

CHMREPOS
LIS

CHMMESS
LIS

CHMPASTE
LIS

CHMSENDEL
LIS

CHMTADJ
LIS

CHMSAVTXT
LIS

CLRKEY
LIS

CHMNEWLEN
LIS

CHMPARSE
LIS

CHMSAVLIN
LIS

CHMSUBS
LIS